

WinFrog Device Group:	OUTPUT
Device Name/Model:	GENERIC OUTPUT
Device Manufacturer:	
Device Data String(s) Output to WinFrog:	None
WinFrog Data String(s) Output to Device:	User Configurable
WinFrog Data Item(s) and their RAW record:	No data recorded to RAW files.

DEVICE DESCRIPTION:

This device is a driver designed to allow you flexibility in configuring the data content and format of an output string to be sent out over a serial port. This device is especially useful in situations where no specific driver has been written allowing communications between WinFrog and some other external device or computer. It also allows you to save and load generic output device configuration files which can be useful for repeated setups with similar devices, or several installations with the same devices being used.

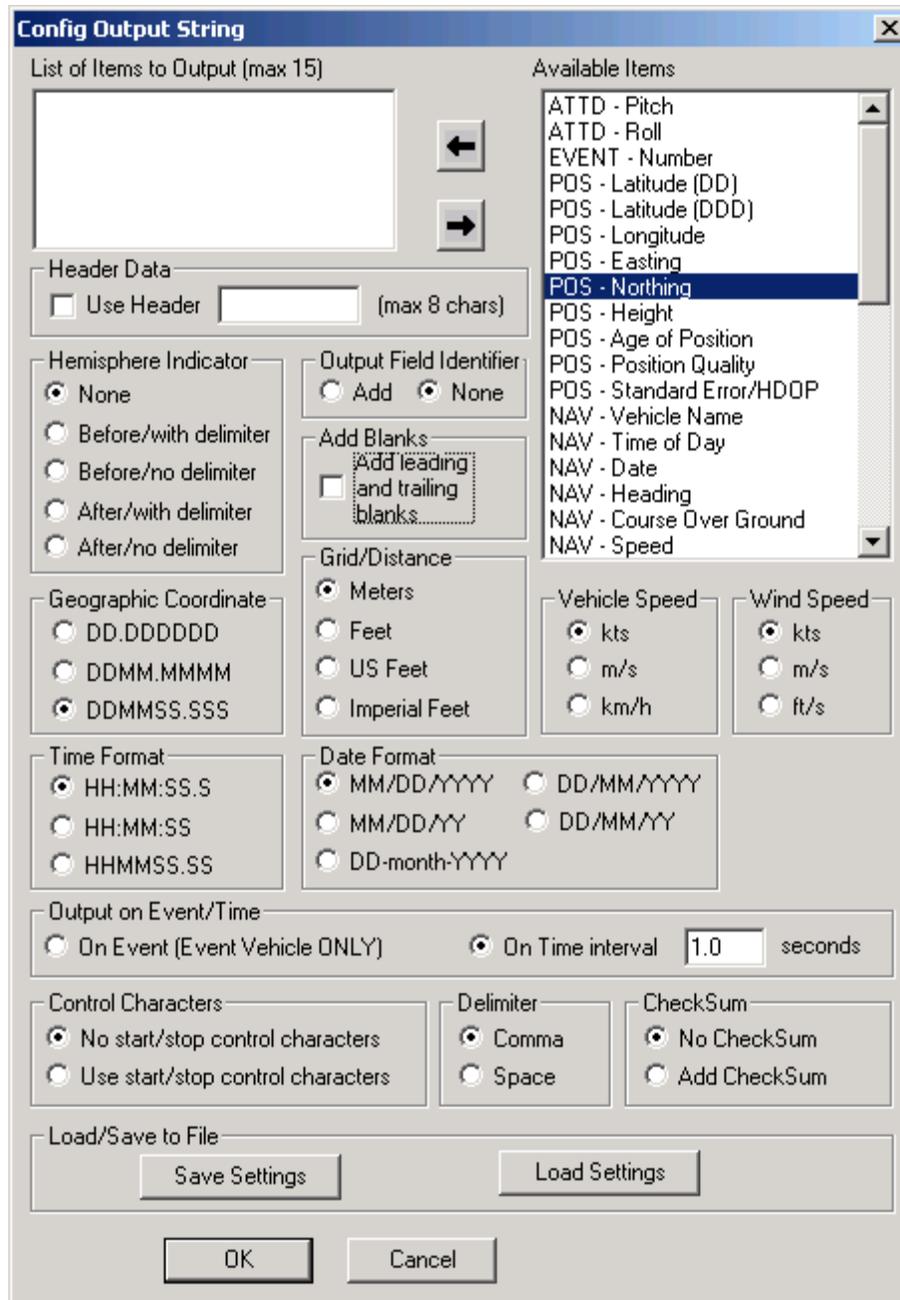
DEVICE CONFIGURATION INSTRUCTIONS

WINFROG I/O DEVICES > EDIT I/O:

Serial
Configurable Parameters
A device name can be designated in this dialog.

WINFROG I/O DEVICES > CONFIGURE DEVICE:

This device must be configured at the I/O Device window level. In the I/O Devices window, click the device name to select it, then right-click and select Configure Device. The Config Output String dialog box appears, as seen below.



The dialog provides great flexibility in selecting and formatting the output, and is self-explanatory for the most part. It also includes the capability to save and load a device specific configuration file (*.gcf) that includes the comm. Port settings. The following highlights selected configuration points:

List of Items to Output (max 15)/Available Items

The data that can be output are listed in the *Available Item* list. To add them to the *List of Items to Output* list, select them in the *Available List* list and click the

left arrow. To remove them from the *List of Items to Output* list, select them in this list and click the right arrow.

Blank

The *Blank* item adds a null field to the output string, generally used to space desired fields as required.

LINE

LINE data are line tracking data associated with the line being tracked by the vehicle that the device's DATA OUTPUT is associated with. If this vehicle is not tracking a line, these fields will be 0.

LINE – OnLine N/E

Selection of this item results in two fields being output containing the map grid Northing and Easting resulting from projecting the vehicle's position on to the line, i.e. the position online at the KP matching the vehicle's KP.

Add Leading Trailing blanks

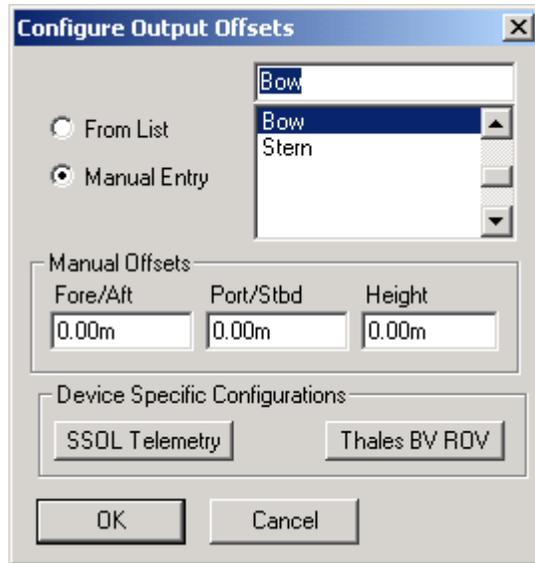
This option will place a blank at the start of the telegram before any data but after a STX if enabled. A delimiter will not be placed between it and the first data field. A blank will also be added at the end of the telegram after the last data field again without a delimiter between it and the last data field. The last blank will occur before an ETX if enabled and before the carriage return line feed.

WINFROG VEHICLE > CONFIGURE VEHICLE DEVICES > DEVICE DATA ITEM > EDIT:

Adding the GENERIC OUTPUT device creates the DATA OUTPUT data item. Once the data item has been added to the vehicle, it must be edited to suit the application.

Data item: OUTPUT, CONFIGURABLE OUTPUT, DATA OUTPUT

Editing the DATA OUTPUT data item opens the Configure Output Offsets dialog box as seen below.



Select the desired reference point for the coordinates that are to be placed in the telegram. If an offset point is not selected and the offsets are set to 0, the coordinate output will be the central reference point (CRP). The SSOL Telemetry and Thales BV ROV buttons are not used for this device.

TELGRAM SPECIFICATION:
User Configurable